Data Processing in MY SQL

Total Sales SELECT SUM(Amount) as Total_Sales FROM sales;	**Result:** Total_Sales_Amount ▶ 33968354
Total Boxes Sold SELECT SUM(Boxes) as Total_Boxes_Sold FROM sales;	**Result:** Total_Boxes_Sold ▶ 2162244

Top Selling Country
SELECT
    g.geo,
    sum(s.Amount) AS Total_Sales
FROM sales AS s
JOIN geo AS g
ON g.GeoID = s.GeoID
GROUP BY 1
ORDER BY 2 DESC
LIMIT 1;
	Result:
	
	geo | Total_Sales
	▶ India | 5803833

Sales By Category
SELECT
    p.Category,
    SUM(s.Amount) AS Total_Sales
FROM sales AS s
JOIN products AS p
ON p.PID = s.PID
GROUP BY 1
ORDER BY 2 DESC;
	Result:
	
	Category | Total_Sales
	▶ Bars | 16973726
	Bites | 10935435
	Other | 6059193

Sales By Team
SELECT
    pe.Team,
    SUM(s.Amount) AS Total_Sales
FROM sales AS s
JOIN people AS pe
ON pe.SPID = s.SPID
GROUP BY 1
ORDER BY 2 DESC;
	Result:
	
	Team | Total_Sales
	▶ Delish | 10773938
	Yummies | 9708972
	Jucies | 8007265
	Other | 5478179

Sales By Country

```sql
SELECT
        g.geo,
        SUM(s.Amount) AS Total_sales
FROM sales AS s
JOIN geo AS g
ON g.GeoID = s.GeoID
GROUP BY 1
ORDER BY 2 DESC;
```

Result:

geo	Total_sales
India	5803833
Australia	5762323
UK	5667410
Canada	5660074
New Zealand	5635665
USA	5439049

Top 3 Product

```sql
SELECT
        p.Product,
        SUM(s.Amount) AS Amount
FROM sales AS s
JOIN products AS p
ON s.PID = p.PID
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

Result:

Product	Amount
Almond Choco	1651972
After Nines	1602797
Fruit & Nut Bars	1600326

Sales Contribution by each Product Category

```sql
SELECT
        p.Category,
        CONCAT(ROUND(sum(s.Amount) /
        (select SUM(Amount) From sales) * 100,2),'%')
        as Total_Sales_Contribution
FROM sales as s
JOIN products as p
on p.PID = s.PID
GROUP BY 1;
```

Result:

Category	Total_Sales_Contribution
Bars	49.97%
Other	17.84%
Bites	32.19%

Top 3 Sales Person

```sql
SELECT
        pe.Salesperson,
        SUM(s.Amount) AS Amount
FROM sales AS s
JOIN people AS pe
ON s.SPID = pe.SPID
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

Result:

Salesperson	Amount
Barr Faughny	1463035
Madelene Upcott	1448846
Karlen McCaffrey	1443414

Sales Contribution by each team

```
SELECT
        pe.Team,
        CONCAT(ROUND(sum(s.Amount) /
        (select SUM(Amount) From sales) * 100,2),'%')
        as Total_Sales_Contribution
FROM sales as s
JOIN people as pe
on pe.SPID = s.SPID
GROUP BY 1;
```

Result:

Team	Total_Sales_Contribution
Yummies	28.58%
Jucies	23.57%
Other	16.13%
Delish	31.72%

Top 3 Country

```
SELECT
        g.geo,
        SUM(s.Amount) AS Amount
FROM sales AS s
JOIN geo AS g
ON s.GeoID = g.GeoID
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

Result:

geo	Amount
India	5803833
Australia	5762323
UK	5667410

Sales Contribution by each country

```
SELECT
        g.geo,
        CONCAT(ROUND(sum(s.Amount) /
        (select SUM(Amount) From sales) * 100,2),'%')
        as Total_Sales_Contribution
FROM sales as s
JOIN geo as g
on g.GeoID = s.GeoID
GROUP BY 1;
```

Result:

geo	Total_Sales_Contribution
New Zealand	16.59%
Canada	16.66%
USA	16.01%
India	17.09%
UK	16.68%
Australia	16.96%